Title (en)
POLISHING DEVICE AND POLISHING METHOD

Title (de)
POLIERVORRICHTUNG UND POLIERVERFAHREN

Title (fr)
DISPOSITIF DE POLISSAGE ET PROCÉDÉ DE POLISSAGE

Publication
EP 3017912 B1 20180620 (EN)

Application
EP 14834904 A 20140326

Priority
- JP 2013165742 A 20130809
- JP 2013273642 A 20131228
- JP 2014058508 W 20140326

Abstract (en)
[origin: EP3017912A1] A polishing device (1) includes a processing vessel (10) into which workpieces are charged, a fluidizing unit that fluidizes the workpieces in the processing vessel, an abrasive-feeding unit (30) that feeds an abrasive into the workpieces, and a suction unit (40) that generates an air flow in a direction in which the abrasive passes through the processing vessel (10), and recovers the abrasive by suction. The abrasive fed from the abrasive-feeding unit (30) is allowed to pass between the workpieces charged into the processing vessel (10) by the air flow generated from the suction unit (40) while coming into contact with the workpieces. Accordingly, the workpieces are polished.

IPC 8 full level
B24B 31/00 (2006.01); **B24B 31/02** (2006.01); **B24B 31/06** (2006.01); **B24C 3/26** (2006.01); **H01F 41/04** (2006.01); **H01G 13/00** (2013.01)

CPC (source: EP US)
B24B 31/02 (2013.01 - EP US); **B24B 31/06** (2013.01 - EP US); **B24B 31/16** (2013.01 - EP US); **B24B 57/02** (2013.01 - EP US);
B24C 1/08 (2013.01 - EP US); **B24C 3/065** (2013.01 - EP US); **B24C 3/26** (2013.01 - EP US); **B24C 7/0092** (2013.01 - EP US);
H01G 13/00 (2013.01 - EP US)

Cited by
CN111801171A; CN112720138A; US2020338688A1; US11220058B2; WO2021070024A1; WO2019149305A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3017912 A1 20160511; **EP 3017912 A4 20170412**; **EP 3017912 B1 20180620**; CN 105451939 A 20160330; CN 105451939 B 20180904;
JP 5737486 B1 20150617; JP WO2015019661 A1 20170302; KR 102108604 B1 20200507; KR 20160040678 A 20160414;
PH 12016500264 A1 20160502; PH 12016500264 B1 20160502; SG 11201600812P A 20160330; TW 201505770 A 20150216;
TW I605910 B 20171121; US 2016176008 A1 20160623; US 9925636 B2 20180327; WO 2015019661 A1 20150212

DOCDB simple family (application)
EP 14834904 A 20140326; CN 201480044034 A 20140326; JP 2014058508 W 20140326; JP 2014560963 A 20140326;
KR 20167005830 A 20140326; PH 12016500264 A 20160205; SG 11201600812P A 20140326; TW 103111847 A 20140328;
US 201414909992 A 20140326